

ABSTRACT

The problem of this Invention is to provide a vacuum evaporation deposition method of the winding type and a vacuum evaporation deposition apparatus of the winding type which can form a metal film on a base film made of single layer plastic film without thermal deformation, superior in productivity.

To solve the above problem, there are arranged an electron beam irradiator 21 for irradiating electron beam onto a material film 12 before deposition of metal, and a DC bias power source 22 for applying bias voltage between an auxiliary roller 18 for guiding the material film 12 with metal film deposited and the can roller 14, whereby the material film 12 charged by the irradiation of the electron beam before the deposition of metal film, is made in close contact with the can roller 14. And the material film 12 after deposition of metal film is made in close contact with the can roller 14 by the bias voltage applied between the auxiliary roller 18 connected electrically to the metal film and the can roller 14.